No. 200400114

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Louisiana State University Agricultural Center

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE , OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR IFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED ND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. ENDED, 7 U.S.C. 2321 ET SEQ.)

RICE

'Cheniere'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of Washington, D.C. this tenth day of November, in the year two thousand and four.*

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions* — Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER
Louisiana State University Agricultural Center

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME
LA 0002174

3. VARIETY NAME
Cheniere

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
Rice Research Station
1373 Caffey Road
Rayne, LA 70578

5. TELEPHONE *(include area code)*
(337) 788-7531

6. FAX *(include area code)*
(337) 788-7553

FOR OFFICIAL USE ONLY

PVPO NUMBER
2004 00 114

FILING DATE
February 19, 2004

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*
University Research Center

8. IF INCORPORATED, GIVE STATE OF INCORPORATION
--

9. DATE OF INCORPORATION

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*
Steve Linscombe
Rice Research Station
1373 Caffey Road
Rayne, LA 70578

FEES RECEIVED

FILING AND EXAMINATION FEES:
$ 3,652 —
DATE Feb. 19, 2004

CERTIFICATION FEE:
$ 432.00
DATE 10/7/04

11. TELEPHONE *(Include area code)*
(337) 788-7531

12. FAX *(Include area code)*
(337) 788-7553

13. E-MAIL
slinscombe@agcenter.lsu.edu

14. CROP KIND *(Common Name)*
Rice

16. FAMILY NAME *(Botanical)*
Poaceae

15. GENUS AND SPECIES NAME OF CROP
Oryza sativa

17. IS THE VARIETY A FIRST GENERATION HYBRID?
☐ YES ☑ NO

18. DOES THE VARIETY CONTAIN ANY TRANSGENES? ***(OPTIONAL)***
☐ YES ☑ NO
IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERICALIZATION. _____

19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED
(Follow instructions on reverse)

a. ☑ Exhibit A. Origin and Breeding History of the Variety
b. ☑ Exhibit B. Statement of Distinctness
c. ☑ Exhibit C. Objective Description of Variety
d. ☑ Exhibit D. Additional Description of the Variety *(Optional)* (Photo)
e. ☑ Exhibit E. Statement of the Basis of the Owner's Ownership
f. ☑ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)*
g. ☑ Filing and Examination Fee ($3,652), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*
☑ YES *(If "yes", answer items 21 and 22 below)* ☐ NO *(If "no", go to item 23)*

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?
☑ YES ☐ NO
IF YES, WHICH CLASSES? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☑ YES ☐ NO
IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.
☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED
(If additional explanation is necessary, please use the space indicated on the reverse.)

23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?
☑ YES ☐ NO
IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*

24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)*?
☑ YES ☐ NO
IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER		SIGNATURE OF OWNER	
NAME *(Please print or type)*		NAME *(Please print or type)*	
Steve Linscombe		Steve Linscombe	
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Breeder	02/09/2004	Breeder	02/09/2004

(See reverse for instructions and information collection burden statement)

INSTRUCTIONS

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GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable *(in the sense that it will reproduce an entire plant)* tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for $3,652 ($432 filing fee and $3,220 examination fee), payable to "Treasurer of the United States" *(See Section 97.6 of the Regulations and Rules of Practice.)* Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of $432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office
Telephone: (301) 504-5518
FAX: (301) 504-5291
Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:
(1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified

19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:

(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.

19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, *etc.*

19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.

20. If "Yes" is specified *(seed of this variety be sold by variety name only, as a class of certified seed)*, the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. *(See Regulations and Rules of Practice, Section 97.103).*

23. *See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.*

24. *See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.*

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22. CONTINUED FROM FRONT *(Please provide a statement as to the limitation and sequence of generations that may be certified.)*

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23. CONTINUED FROM FRONT *(Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)*

United States - March 6, 2003.

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24. CONTINUED FROM FRONT *(Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)*

United States Patent Office, November 13, 2003 - Serial number 10/712,896

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. *(See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)*

EXHIBIT A

Cheniere – Development History
Pedigree: Newbonnet/Katy/3/L-202/Lemont//L202

Year	Generation	ID
1994	Cross	94CR112
1995	F_1	95T1264
1996	F_2	96F7589
1997	F_3	9752664
1998	F_4	9828609
1999	F_5	9902709 (Preliminary Yield)
2000	F_6	0002174 (Uniform Regional Nursery)
2001	F_7	0002174 (Uniform Regional Nursery – Commercial Advanced Yield)
2001	F_8	Headrow Increase – Puerto Rico
2002	F_9	Headrow Increase – Puerto Rico
2002	F_{10}	Breeder – Foundation Seed
2003	F_{11}	Foundation seed planted by commercial seed producers

Details of stages of selection and multiplication

Cheniere was developed from a modified program of single seed descent. From the original cross made in 1994, four F_1 plants were grown in 1995. The seed from these F_1 plants were bulked and used to plant a large F_2 population in 1996. One panicle was selected from each of 300 F_2 plants and these were grown as F_3 panicle rows in 1997. Row number 9752664 was selected for advancement (among others). Ten panicles were selected from this row and these were grown as F_4 panicle rows in 1998. Row number 9828609 was selected for advancement. Ten panicles were selected from this row then the remaining seed was bulked. The bulked seed was used for yield testing in 1999, while the 10 panicles were planted as F_5 panicle rows in the same year. This material was reselected and grown as panicle rows in 2000 (F_6) and 2001 (F_7) as yield, agronomic, and quality testing continued. A 100-panicle row increase (F_8) was grown at the winter nursery facility in Puerto Rico in the fall of 2001. From this material, 1000 panicles were selected and replanted at the winter nursery facility in Puerto Rico in December 2001 (F_9). This seed was used to produce breeder/foundation seed on the Rice Research Station in 2002 (F_{10}). This is the seed that was released to growers in the summer of 2003.

Cheniere has been observed for five generations of increase and purification (2001-2003) and has exhibited a very high level of uniformity and stability.

Cheniere was originally selected in the F_4 generation as a semidwarf, early maturing line that displayed good yield potential and excellent milling and grain quality characteristics. It

displayed excellent yield potential and quality characteristics through yield testing in trials for several years. Yield, milling and agronomic data are attached from multi-location testing (six environments) in 2003.

In each generation of multiplication and purification (F_4-F_{10}), the line was selected for uniformity and purity.

Variants observed and removed from increase fields of Cheniere included any combination of the following: taller, shorter, pubescent, earlier, later, gold-hull, awned grains (less than .05%), and intermediate grain shape. The total number of variants numbered less than 1 per 5,000 plants.

EXHIBIT B

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Statement of Distinctness

CHENIERE

Cheniere is an early maturing, high yielding, semidwarf long-grain rice variety. It was derived from the cross 'Newbonnet'/'Katy'/3/'L-202'/'Lemont'//L-202 made in 1994. Plant height (cm) averages 94, 104, 94, and 94 for Cheniere, Francis, Cypress, and Cocodrie, respectively. The variety has displayed excellent resistance to lodging. Cheniere has shown adaptation throughout the southern U.S. rice producing regions.

This variety most closely resembles the rice variety Cypress. The leaves, lemma, and palea are glabrous. The spikelet is straw colored. The apiculus is purple at heading, but this color fades as the grains approach maturity. The grain is non-aromatic, non-glutinous, and displays a light brown pericarp. The inner leaf sheath may display a slight purple coloration, especially toward the base of the plant.

The ligule shape of Cheniere is 2-cleft while the ligule shape of Cypress is acute to acuminate. The panicle axis of Cheniere is straight while that of Cypress is droopy.

The flag leaf of Cheniere remains upright and erect until harvest maturity. The flag leaf of Cypress is erect at physiological maturity but tends to droop as plants approach harvest maturity.

Breeder and foundation seed will be produced by the Rice Research Station at Crowley, LA. Foundation seed may be produced by cooperating public rice research stations. Cheniere will also be sold as registered and certified classes of seed.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

CHENIERE

OBJECTIVE DESCRIPTION OF VARIETY
Rice (*Oryza sativa*)

NAME OF APPLICANT (S)	FOR OFFICIAL USE ONLY
Steve Linscombe	PVPO NUMBER 200400114
ADDRESS *(Street and No. or RD No., City, State, and Zip Code)*	VARIETY NAME
LSU AgCenter's Rice Research Station, 1373 Caffey Road, Rayne, LA 70578	TEMPORARY OR EXPERIMENTAL DESIGNATION

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the character of this variety in the spaces provided below. These numbers are also code numbers corresponding to descriptors developed by IBGR-IRRI Rice Advisory Committee and the US Rice Crop Advisory Committee. Breeders will demonstrate distinctness more readily by describing as many characters as is possible.

1. MATURITY - Days to Heading (Seeding to 50% Heading):

A. South: (Location: Crowley, LA) at 160 kg/ha (Nitrogen Rate)

77 Number of Days

1 Days Earlier Than Check Variety: Cypress

____ Days Same As Check Variety: Francis

2 Days Later Than Check Variety: Cocodrie

____ Maturity Class (50% Heading) – South:
1 = Very Early (85 Days or Less) 2 = Early (86 – 100)
3 = Intermediate (101 - 115) 4 = Late (More Than 115)

B. California: (Location: _____) at _____ kg/ha (Nitrogen Rate)

____ Number of Days

____ Days Earlier Than Check Variety: _____

____ Days Same As Check Variety: _____

____ Days Later Than Check Variety: _____

____ Maturity Class (50% Heading) – California:
1 = Very Early (90 Days or Less) 2 = Early (91 – 97)
3 = Intermediate (98 - 104) 4 = Late (More Than 104)

2. CULM:

1 Angle (Degrees from Perpendicular after Flowering):
1 = Erect (Less than 30°) 3 = Intermediate (About 45°) 5 = Open (About 60°)
7 = Spreading (More than 60° but the culms do not rest on the ground)
9 = Procumbent (The culm or its lower part rests on the ground surface)

2. CULM: (continued)

LENGTH

93 • 9 cm (Soil level to top of extended panicle on main stem)

10 • 2 cm Shorter Than Check Variety: Francis

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____ Length Same as Check Variety: Cocodrie

2 • 5 cm Longer Than Check Variety: Jefferson

1 Height Class: 1 = Semi dwarf 2 = Short 3 = Medium 4 = Tall

2 Internode Color (After Flowering): 1 = Green 2 = Light Gold 3 = Purple Lines 4 = Purple

1 Strength (Lodging Resistance): 1 = Strong (no Lodging) 3 = Moderately Strong (Most Plants Leaning) 5 = Intermediate (Most Plants Lodged) 7 = Weak (Most Plants Flat) 9 = Very Weak (All Plants Flat)

3. FLAG LEAF (After Heading):

31 • 2 cm Length 10 • 1 mm Width

1 Pubescence: 1 = Glabrous 2 = Intermediate 3 = Pubescent

1 Leaf Angle (After Heading): 1 = Erect 3 = Intermediate 5 = Horizontal 7 = Descending

2 Blade Color: 1 = Pale Green 2 = Green 3 = Dark Green 4 = Purple Tips 5 = Purple Margins 6 = Purple Blotch 7 = Purple

2 Basal Leaf Sheath Color: 1 = Green 2 = Purple Lines 3 = Light Purple 4 = Purple

4. LIGULE:

1 • 1 mm Length (From base of collar to the tip, at late vegetative stage)

1 Color (Late Vegetative Stage): 1 = White 2 = Purple Lines 3 = Purple

2 Shape: 1 = Acute to Acuminate 2 = 2-Cleft 3 = Truncate

1 Collar Color (Late Vegetative Stage): 1 = Pale Green 2 = Green 3 = Purple

1 Auricle Color (Late Vegetative Stage): 1 = Pale Green 2 = Purple

5. PANICLE:

23 • 4 cm Length

5 Type: 1 = Compact 5 = Intermediate 9 = Open

2 Secondary Branching: 1 = Absent 2 = Light 3 = Heavy 4 = Clustering

2 Exsertion (Near Maturity): 1 = Less than 90% 2 = 90 – 99% 3 = 100% Exserted

1 Axis: 1 = Straight 2 = Droopy

3 Shattering: 1 = Very Low (Less Than 1%) 3 = Low (1 – 5%) 5 = Moderate (6 – 25%) 7 = Moderately High (26 – 50%) 9 = High (More than 50%)

3 Threshability: 1 = Difficult 2 = Intermediate 3 = Easy

6. GRAIN (Spikelet):

0 Awns (After Full Heading): 0 = Absent 1 = Short and Partly Awned 5 = Short and Fully Awned 7 = Long and Partly Awned 9 = Long and Fully Awned

6 Apiculus Color (At Maturity): 1 = White 2 = Straw 3 = Brown (Tawny) 4 = Red 5 = Red Apex 6 = Purple 7 = Purple Apex

1 Stigma Color: 1 = White 2 = Light Green 3 = Yellow 4 = Light Purple 5 = Purple

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6. GRAIN (Spikelet):

__0__ Lemma and Palea Color (At Maturity):

0 = Straw; 1 = Gold and/or Gold Furrows on Straw Background; 2 = Brown Spots on Straw (Piebald)
3 = Brown Furrows on Straw; 4 = Brown (Tawny); 5 = Reddish to Light Purple
6 = Purple Spots on Straw; 7 = Purple Furrows on Straw; 8 = Purple
9 = Black; 10 = White

__1__ Lemma and Palea Pubescence: 1 = Glabrous; 2 = Hairs on Lemma Keel; 3 = Hairs on Upper Portion; 4 = Short Hairs; 5 = Long Hairs (Velvety)

__1__ Spikelet Sterility (At Maturity): 1 = Highly Fertile (> 90%); 3 = Fertile (75 – 90%); 5 = Partly Sterile (50 – 74%); 7 = Highly Sterile (< 50% to Trace); 9 = Completely Sterile (0%)

7. GRAIN (Seed):

__2__ Seed Coat (Bran) Color: 1 = White; 2 = Light Brown; 3 = Speckled Brown; 4 = Brown; 5 = Red; 6 = Variable Purple; 7 = Purple

__1__ Endosperm Type: 1 = Nonglutinous (Nonwaxy); 2 = Glutinous (Waxy); 3 = Indeterminate

__1__ Endosperm Translucency: 1 = Clear; 5 = Intermediate; 9 = Opaque

__1__ Endosperm Chalkiness: 0 = None; 1 = Small (Less than 10% of Sample); 5 = Medium (10 – 20% of Sample); 9 = Large (More than 20% of Sample)

__0__ Scent (Aroma): 0 = Nonscented; 1 = Lightly Scented; 2 = Scented

Shape Class (Length/Width Ratio):

__3__ Paddy: 1 = Short (2.2:1 and Less); 2 = Medium (2.3:1 to 3.3:1); 3 = Long (3.4:1 and More)

__3__ Brown: 1 = Short (2.0:1 and Less); 2 = Medium (2.1:1 to 3.0:1); 3 = Long (3.1:1 and More)

__3__ Milled: 1 = Short (1.9:1 and Less); 2 = Medium (2.0:1 to 2.9:1); 3 = Long (3.0:1 and More)

Measurements: Grain Form	Length (mm)	Width (mm)	Thickness (mm)	L/W Ratio	1000 Grains (grams)
Paddy	9.4	2.6	1.9	3.6	24.2
Brown	7.5	2.1	1.8	3.6	21.3
Milled	6.9	2.0	1.6	3.4	17.7

__20__ Milling Quality (% Hulls) __66.3__ Milling Yield (% While Kernel (head) Rice to Rough Rice)

__7.4__ % Protein __23.9__ % Amylose

Alkali Spreading Value: _____ 1.5% KOH Solution __3.9__ 1.7% KOH Solution

__5__ Gelatination Temperature Type: 1 = High; 5 = Intermediate; 7 = Low

Amylographic Paste Viscosity (Brabender Units)

Peak	Hot Paste	Cooled Paste	'Breakdown'	'Setback'
150.2	108.7	182.6	76.3	

8. RESISTANCE TO LOW TEMPERTURE:

__2__ Germination and Seedling Vigor: 1 = Low; 2 = Medium; 3 = High

__2__ Flowering (Spikelet Fertility): 1 = Low; 2 = Medium; 3 = High

9. SEEDLING VIGOR NOT RELATED TO LOW TEMPERATURE:

__2__ Vigor: 1 = Low; 2 = Medium; 3 = High

10. BLAST RESISTANCE: (*Pyicularia oryzae*). (International races found under References) 200400114

0 = Immune 1 = Resistant 3 = Moderately Resistant 5 = Intermediate 7 = Moderately Susceptible 9 = Susceptible

Group		IB			IC		ID		IE	IG	IH
Number	1	5	45	49	54	1	17	1	13	1	1	1
Resistance	-	-	-	7	-	-	7	-	-	-	-	-

11. RESISTANCE TO OTHER DISEASES:

0 = Immune 1 = Resistant 3 = Moderately Resistant 5 = Intermediate 7 = Moderately Susceptible 9 = Susceptible

__7__ Narrow Brown Leaf Spot (*Cerospora oryzae*)

__7__ Leaf Smut (*Entyloma oryzae*)

__7__ Brown Leaf Spot (*Helminthosporium oryzae*) (=*Bipolaris oryzae*) (=*Drechslera oryzae*)

__--__ Leaf Scald (*Gerlachia oryzae*)

__--__ Hoja Blanca Virus

__--__ Sheath Rot (*Sarocladium oryzae*)

__--__ Pythium Seedling Blight (*Pythium* sp.)

__7__ Sheath Spot (*Rhizoctonia oryzae*)

__--__ Other: _____

__--__ Aggregate Sheath Spot (*Rhizoctonia Oryzae-sativae*)

__1__ Straight Head

__7__ Kernel Smut (*Neovossia horrida*) (=*Tilletia barclayana*)

__--__ White Tip Nematode (*Aphelenchoides besseyi*)

__7__ Stem Rot (*Sclerotium oryzae*)

__5__ Bacterial Blight (*Xanthomonas campestris pv. oryzae*)

__7__ Sheath Blight (*Rhizoctonia solani*)

12. INSECT RESISTANCE:

0 = Immune 1 = Resistant 3 = Moderately Resistant 5 = Intermediate 7 = Moderately Susceptible 9 = Susceptible

__--__ Grasshopper

__--__ Rice Leafhopper

__--__ Rice Hispa

__--__ Rice Midge

__--__ Least Skipper

__7__ Rice Stink Bug (*Oegalus pugnax*)

__--__ Swarm Caterpillar

__7__ Rice Water Weevil (*Lissorhoptrus oryzophilus*)

__7__ Rice Stalk Borer (*Chilo plejadellus*)

__7__ Sugarcane Borer (*Diatraea saccharalis*)

13. OTHER DESCRIPTORS: If there are other characters that describe this variety, please indicate below:

REFERENCES

C. R. Adair *et al.* 1972. Rice in the United States: Varieties and Production. USDA Handbook No. 289 (Rev.), 124 pp.

J. G. Atkins *et al.*1967. An International Set of Rice Varieties for Differentiating Race of *Pyricularia Oryzae*. Phytopath. 57:297-301.

IBPGR-IRRI Rice Advisory Committee. 1980. Descriptors for Rice *Oryzae sativa* L. International Rice Research Institute. 21 pp.

K. C. Ling and S. H. Ou, 1969. Standardization of the International Race Numbers of *Pyricularia Oryzae*. Phytopath. 59:339-342.

B. D. Webb *et al.* 1985. Utilization Characteristics and Qualities of United States Rice. In Proceedings on Rice Grain Quality and Marketing. International Rice Research Institute (IRRI), Los Branos, Philippines. P. 25-35.

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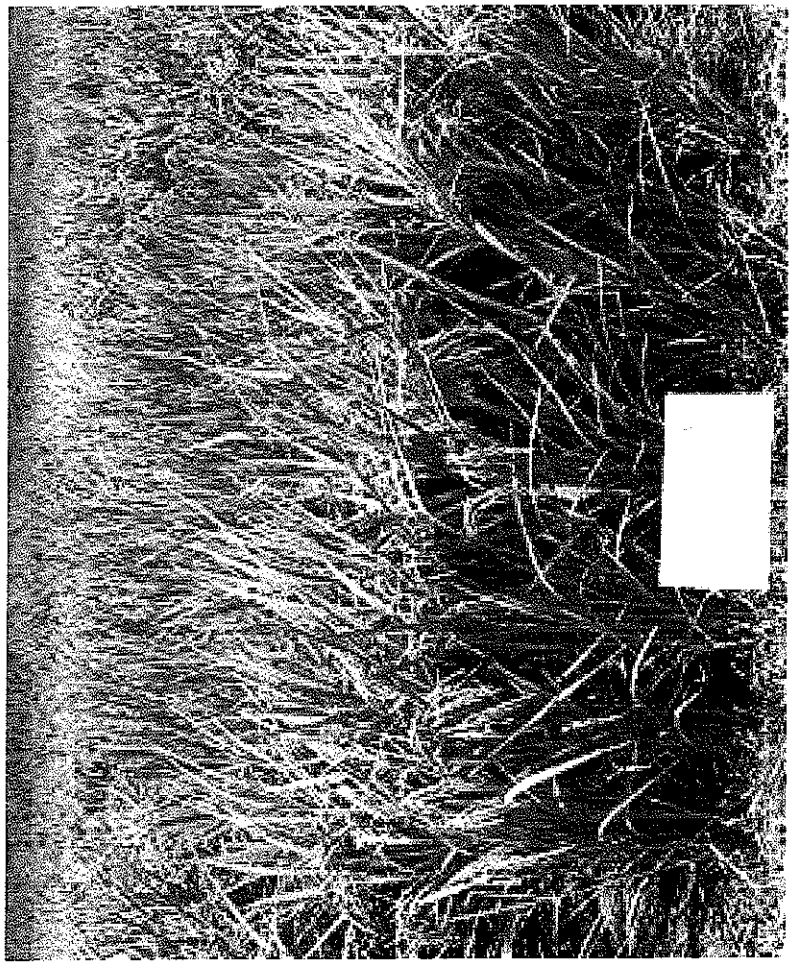

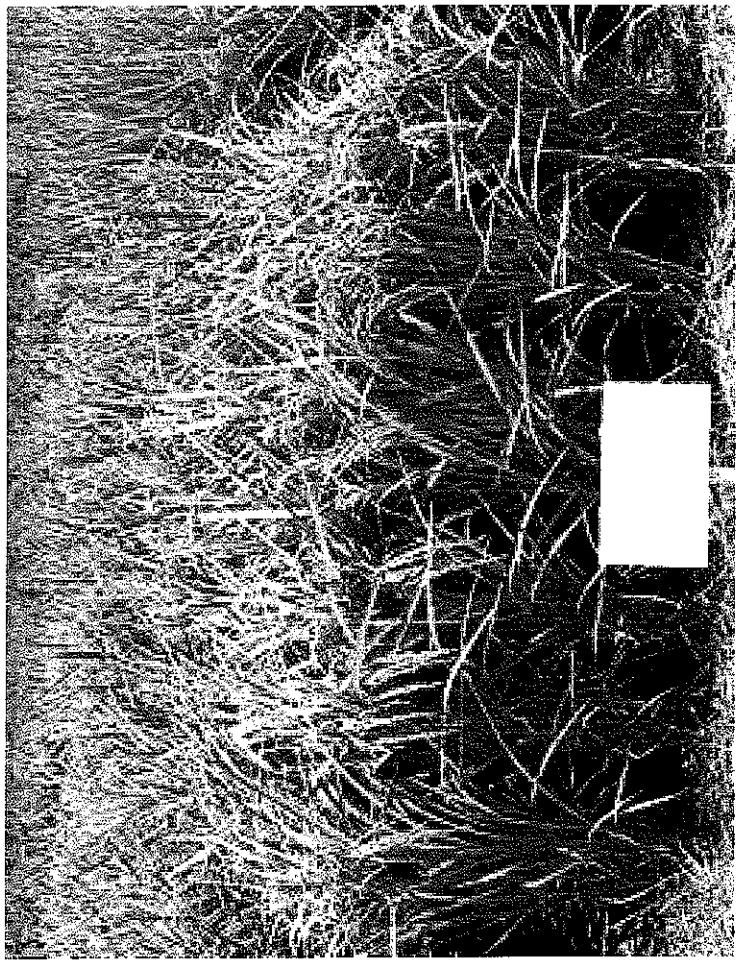

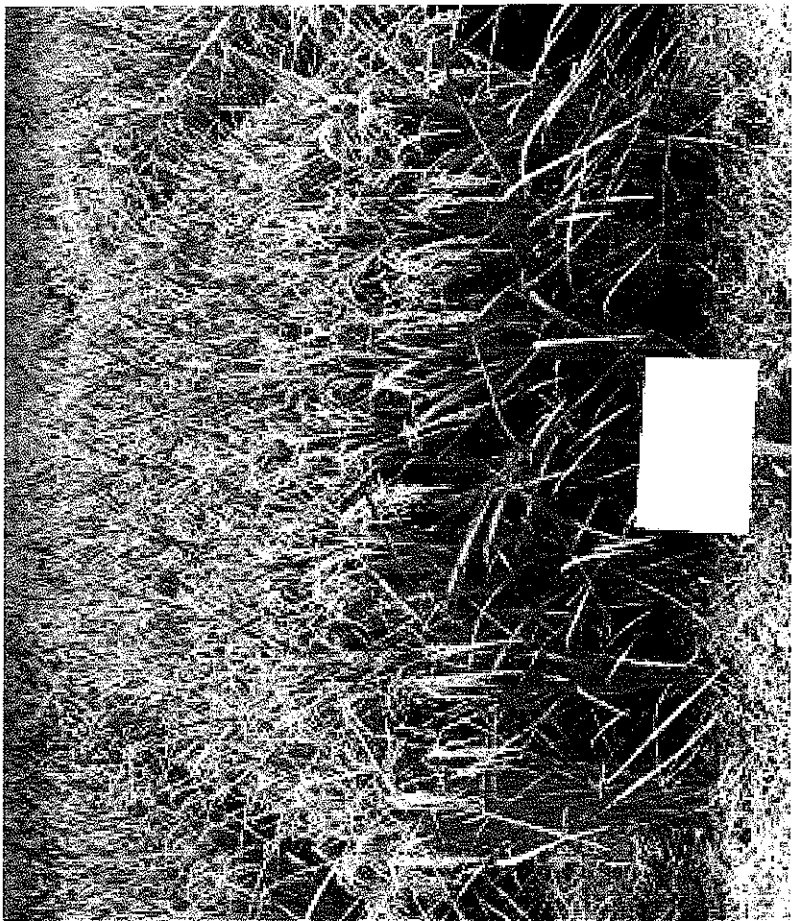

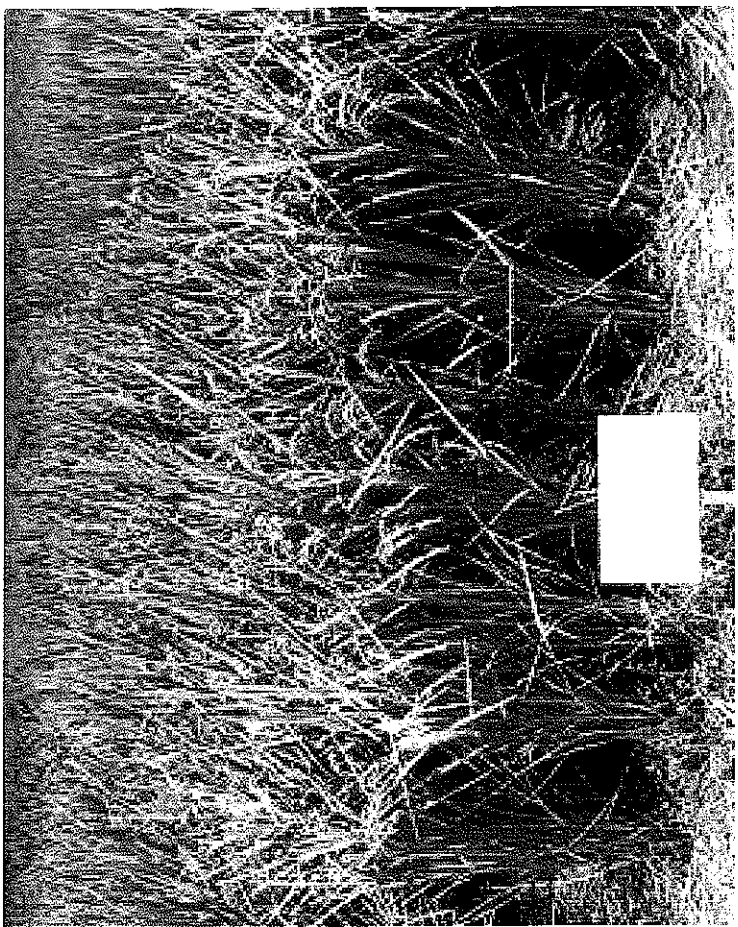

2003 Commercial Advanced Rice Test
Rice Research Station, Crowley, La

ENT	PEDIGREE	VIGOR	Days to 50% Heading	Height (cm)	% Ldg	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	TOTAL YIELD
201	CL 121	5	70	92		71.0	74.1	5513	2463	7976
202	CL 141	4	75	121		67.3	72.0	7184	2502	9686
203	CL 161	4	76	107		71.9	75.2	6416	2605	9021
204	COCODRIE	4	70	97		67.5	72.6	7953	1933	9886
205	CYPRESS	3	73	98		70.2	74.6	6837	2544	9381
206	CHENIERE	5	73	99		69.9	75.1	7008	1758	8766
207	FRANCIS	4	74	111		64.6	71.5	7451	2475	9926
208	WELLS	4	75	112		65.6	73.2	6938	2570	9508
209	SABER	4	72	104		69.2	70.6	6158	3517	9675
210	AHRENT	5	69	110		67.3	71.0	6259	2046	8305
211	PRISCILLA	6	74	101		66.3	71.2	7469	4060	11529
212	JEFFERSON	6	66	93		63.8	68.7	5957	2820	8777
213	MAYBELLE	5	64	104		63.1	68.5	6564	1568	8132
214	PIROGUE	5	74	104		70.1	72.8	4949	2339	7288
215	BENGAL	4	74	100		69.6	72.7	6441	2936	9377
216	EARL	4	74	113		72.3	74.7	6998	3018	10016
217	DELLROSE	6	71	105		70.0	73.3	6023	3982	10005
218	DELLA	5	75	137	17	60.1	69.1	4941	1122	6063
219	DELLMATI	5	67	123	57	57.1	68.0	3658	2591	6249
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	5	69	100		67.9	72.8	7035	2113	9148
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	5	70	100		66.7	72.0	7597	3184	10781
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	5	66	109		65.1	70.4	8036	2714	10750
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	6	70	67		69.8	73.7	6663	2993	9656
224	0202195 (URN 034) NWBT/KATY//9902207x7	4	69	98		66.7	72.3	8055	1936	9991
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	5	71	102		69.7	72.9	7570	2979	10549
226	0202048 (URN 048) LM-1	7	73	90		66.2	72.8	6918	3747	10665
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	4	70	101		64.1	69.8	7062	1585	8647
228	0102068 (URN 068) 9502008/LGRU	5	71	99		69.4	72.6	7407	2730	10137
229	0302082 (URN 082) 9502008-A/DREW	5	67	97		68.0	72.7	8401	2268	10669
230	0302094 (URN 094) 9502008-A/DREW	5	69	101		67.8	72.2	8486	1753	10239
231	0302097 (URN 097) 9502008-A/TACAURI	6	70	93		67.8	72.7	6157	2257	8414

2004-2007

2003 Commercial Advanced Rice Test
Rice Research Station, Crowley, La

ENT	PEDIGREE	VIGOR	Days to 50% Heading	Height (cm)	% Ldg	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	TOTAL YIELD
232	0202103 (URN103) CPRS/DREW	6	73	105		69.9	73.9	7505	2889	10394
233	0002140 (URN 025) JSMN/DLLA	5	76	101		58.1	65.2	5391	2625	8016
234	0202183 (URN 031) 9502065/3/BNGL//MERC/RICO	5	74	98		69.1	71.2	8153	3330	11483
235	0002146 (URN 028) ORIN//MERC/RICO//...	5	72	108		70.0	72.2	8258	4312	12570
236	0302140 (URN 140) BNGL//V4916/STRN	4	73	99		72.9	74.8	6968	2704	9672
237	0302146 (URN 146) BNGL/9502065	5	74	95		72.2	74.2	5958	3975	9933
238	0302137 (URN 137) DLMT//DLMT//B846273-710	4	70	117	43	60.3	70.3	5989	3158	9147
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	4	68	107		66.7	71.4	6728	2802	9530
240	0302011 (URN011) AC105DH2/AC101DH2	4	69	100		67.3	72.3	6328	2098	8426
241	0302042 (URN 042) 9863304DH2	6	-45	132		57.6	67.0	3529	5595	9124
242	0302051 (URN 051) AC105DH2/AC110DH2	4	68	91		63.3	70.0	7153	2067	9220
243	0302062 (URN 062) CCDR/98PIM0141	4	67	103		65.7	71.4	5287	3243	8530
244	0302071 (URN 071) AC122DH4	4	74	105		70.8	73.9	7541	3543	11084
245	0302085 (URN 085) AC105DH2/AC110DH2	4	72	103		69.7	73.0	6447	2839	9286
246	0302088 (URN 088) AC105DH2/AC110DH2	5	71	107	10	64.8	68.4	6701	2027	8728
247	0302091 (URN 091) AC176DH1/9959322DH2	6	72	104		68.4	73.0	6149	3898	10047
248	0302128 (URN 128) CCDR/98PIM0151	4	74	106		71.2	74.5	7356	3022	10378
249	0302149 (URN 149) CCDR/98LL0401	5	71	103		66.7	69.2	6929	2115	9044
250	TX 9092	5	70	96		66.5	70.7	6266	4006	10272
251	TX 8181	7	69	104		68.9	72.4	7153	1618	8771
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	4	65	110	53	64.1	71.1	6421	3190	9611
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	4	71	102		70.0	73.1	7024	3061	10085
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	5	74	96		70.1	73.2	6582	3598	10180
255	MS 0204114	6	73	103		66.0	71.7	5397	3626	9023
256	XL 7	5	69	115	60	63.6	72.4	6577	4331	10908
257	XL 8	4	72	114	77	64.7	73.7	6838	4010	10848
258	CLXL 8	5	76	121	10	63.6	71.4	7888	4969	12857
259	XP 710	6	76	115		61.4	70.3	7768	4521	12289
260	XP 712	4	74	119		67.3	71.8	7908	6152	14060
C.V.		13.5	1.9	7.0		3.8	2.8	12.3		
LSD (0.05)		1.0	2.1	11.8		5.0	4.0	1336.6		

2003-04-15

2003 Commercial Advanced Rice Yield Test
Vermilion Parish, Lake Arthur, La

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
201	CL 121	6	74	97	64.6	70.2	5186	2236	7422
202	CL 141	5	78	124	60.3	67.9	5244	2679	7923
203	CL 161	4	82	106	63.8	62.3	5083	2325	7408
204	COCODRIE	4	78	104	63.9	71.9	6694	2295	8989
205	CYPRESS	4	81	103	63.8	69.3	5637	2447	8084
206	CHENIERE	6	80	100	61.7	70.4	6054	2419	8473
207	FRANCIS	5	80	116	60.3	68.8	5570	2751	8321
208	WELLS	4	79	110	59.2	69.5	7110	2516	9626
209	SABER	6	79	105	66.9	70.7	6047	3115	9162
210	AHRENT	4	77	114	63.6	68.2	5397	1861	7258
211	PRISCILLA	6	78	106	60.7	70.7	5214	3091	8305
212	JEFFERSON	7	69	99	63.8	70.4	6020	3104	9124
213	MAYBELLE	6	66	110	62.9	69.6	5118	1912	7030
214	PIROGUE	7	78	110	68.6	71.7	5925	3077	9002
215	BENGAL	5	80	104	67.6	72.2	6305	3888	10193
216	EARL	5	79	118	68.0	73.3	8021	3064	11085
217	DELLROSE	7	77	110	66.8	71.5	5111	2982	8093
218	DELLA	5	81	144	59.2	67.4	3864	1553	5417
219	DELLMATI	6	66	125	60.4	68.7	3752	2701	6453
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	5	75	104	63.6	69.3	6747	2077	8824
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	4	78	105	55.8	65.7	5684	2823	8507
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	6	69	107	56.2	64.2	5958	2843	8801
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	5	77	100	61.1	69.8	5818	2897	8715
224	0202195 (URN 034) NWBT/KATY//9902207x7	6	76	106	64.5	70.1	6871	2364	9235
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	7	77	112	66.8	71.5	7202	2729	9931
226	0202048 (URN 048) LM-1	9	76	97	65.9	73.3	6087	3927	10014
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	4	77	105	62.8	69.6	5743	2228	7971
228	0102068 (URN 068) 9502008/LGRU	5	79	105	63.2	69.8	6413	2887	9300
229	0302082 (URN 082) 9502008-A/DREW	4	78	104	63.3	69.6	6809	3076	9885
230	0302094 (URN 094) 9502008-A/DREW	4	77	103	63.6	69.9	6277	2432	8709
231	0302097 (URN 097) 9502008-A/TACAURI	5	77	99	64.2	71.3	6321	3107	9428

2003 Yield Test

2003 Commercial Advanced Rice Yield Test
Vermilion Parish, Lake Arthur, La

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
232	0202103 (URN103) CPRS/DREW	5	80	109	61.4	68.2	6271	3045	9316
233	0002140 (URN 025) JSMN/DLLA	7	78	104	57.6	66.6	6310	2233	8543
234	0202183 (URN 031) 9502065/3/BNGL//MERC/RICO	6	78	105	68.5	72.5	7307	2813	10120
235	0002146 (URN 028) ORIN//MERC/RICO//...	6	77	111	63.8	70.8	8391	4362	12753
236	0302140 (URN 140) BNGL//V4916/STRN	5	82	106	67.1	71.9	5344	3292	8636
237	0302146 (URN 146) BNGL/9502065	6	77	103	68.7	72.6	6309	3762	10071
238	0302137 (URN 137) DLMT//DLMT//B846273-710	4	76	115	50.9	63.7	4364	2482	6846
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	5	73	109	65.9	70.7	5538	2857	8395
240	0302011 (URN011) AC105DH2/AC101DH2	5	75	105	68.6	73.2	5881	2411	8292
241	0302042 (URN 042) 9863304DH2	7	19	131	56.0	66.4	4466	3585	8051
242	0302051 (URN 051) AC105DH2/AC110DH2	6	78	101	61.7	68.9	5548	2918	8466
243	0302062 (URN 062) CCDR/98PIM0141	5	80	118	61.8	69.0	4900	2740	7640
244	0302071 (URN 071) AC122DH4	5	79	110	67.8	73.0	6777	3768	10545
245	0302085 (URN 085) AC105DH2/AC110DH2	4	81	108	64.7	69.4	5455	2655	8110
246	0302088 (URN 088) AC105DH2/AC110DH2	4	77	102	64.7	70.3	6347	2871	9218
247	0302091 (URN 091) AC176DH1/9959322DH2	5	77	108	64.0	71.3	5693	3377	9070
248	0302128 (URN 128) CCDR/98PIM0151	5	77	111	61.1	68.2	6463	2620	9083
249	0302149 (URN 149) CCDR/98LL0401	5	78	107	66.7	70.7	6550	2567	9117
250	TX 9092	7	76	101	65.5	71.6	6215	3724	9939
251	TX 8181	9	76	108	61.8	69.4	5533	2726	8259
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	4	70	114	66.8	72.5	5563	3144	8707
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	5	79	105	62.7	69.4	5966	2643	8609
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	5	79	99	64.9	70.9	5835	3552	9387
255	MS 0204114	7	77	110	45.7	70.3	5938	3306	9244
256	XL 7	5	72	120	61.2	72.1	5678	4019	9697
257	XL 8	5	78	113	62.0	71.8	8004	5243	13247
258	CLXL 8	6	78	120	55.7	68.2	7630	4560	12190
259	XP 710	6	79	118	59.9	71.3	7100	5284	12384
260	XP 712	5	79	119	60.2	69.5	7702	4889	12591
C.V.		10.4	1.7	3.3	5.3	3.8	10.9		
LSD (0.05)		0.9	2.2	5.9	6.7	5.3	1062.4		

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2003 Commercial Advanced Rice Yield Test
Jeff Davis Parish, Fenton, La

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
201	CL 121	5	78	90	61.2	70.5	5487	1624	7111
202	CL 141	4	79	115	65.5	70.5	5812	2069	7881
203	CL 161	4	82	101	70.0	72.8	3955	1936	5891
204	COCODRIE	4	78	89	65.7	70.0	6004	1868	7872
205	CYPRESS	4	83	96	70.1	73.0	6086	2157	8243
206	CHENIERE	5	80	97	68.2	72.4	6293	2260	8553
207	FRANCIS	5	78	106	66.3	72.3	6874	2023	8897
208	WELLS	4	80	110	65.7	72.0	6718	1903	8621
209	SABER	4	80	100	68.3	70.5	5874	2881	8755
210	AHRENT	4	77	102	66.6	70.1	5052	1304	6356
211	PRISCILLA	6	79	96	64.8	71.2	6047	2720	8767
212	JEFFERSON	6	71	91	66.2	72.8	5555	2671	8226
213	MAYBELLE	5	68	104	60.6	71.6	3037	998	4035
214	PIROGUE	6	85	112	67.9	71.3	3771	1987	5758
215	BENGAL	4	85	97	67.9	71.3	5987	2699	8686
216	EARL	4	85	113	68.8	72.3	7823	2600	10423
217	DELLROSE	5	79	104	71.0	73.5	6161	2796	8957
218	DELLA	6	85	147	69.2	72.2	4722	1353	6075
219	DELLMATI	5	71	120	68.7	72.5	2330	1484	3814
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	4	75	94	65.4	69.6	5871	1751	7622
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	5	75	92	61.6	69.1	5154	1900	7054
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	5	69	100	64.9	69.6	4430	1488	5918
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	5	76	92	63.8	68.8	4835	1574	6409
224	0202195 (URN 034) NWBT/KATY//9902207x7	4	77	92	69.5	73.4	6692	1911	8603
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	5	76	97	68.5	71.9	6701	2047	8748
226	0202048 (URN 048) LM-1	7	83	95	67.7	73.3	6112	3202	9314
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	4	76	92	67.2	71.7	4824	1333	6157
228	0102068 (URN 068) 9502008/LGRU	5	79	96	68.0	71.8	6474	2672	9146
229	0302082 (URN 082) 9502008-A/DREW	4	77	89	66.7	72.4	4845	2098	6943
230	0302094 (URN 094) 9502008-A/DREW	4	77	93	68.2	72.2	5579	1590	7169
231	0302097 (URN 097) 9502008-A/TACAURI	5	76	85	68.8	72.4	5991	2388	8379

2004 Yield

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2003 Commercial Advanced Rice Yield Test
Jeff Davis Parish, Fenton, La

ENT	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Mil. % Whole Gr	Mil. % Total Gr	Grain Yield	Ratoon Yield	Total Yield
232	0202103 (URN103) CPRS/DREW	5	79	100	71.0	73.8	5022	2348	7370
233	0002140 (URN 025) JSMN/DLLA	6	86	102	60.7	67.3	5522	1221	6743
234	0202183 (URN 031) 9502065/3/BNGL//MERC/RICO	6	83	99	65.8	69.3	6703	2384	9087
235	0002146 (URN 028) ORIN//MERC/RICO//...	6	82	106	69.1	72.0	8288	2992	11280
236	0302140 (URN 140) BNGL//V4916/STRN	4	83	95	71.4	74.6	5908	1915	7823
237	0302146 (URN 146) BNGL/9502065	5	83	95	70.4	73.0	6290	3407	9697
238	0302137 (URN 137) DLMT//DLMT//B846273-710	4	78	108	61.0	69.9	5511	1978	7489
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	5	72	94	66.4	70.9	4041	1806	5847
240	0302011 (URN011) AC105DH2/AC101DH2	4	78	89	66.8	70.5	5340	1575	6915
241	0302042 (URN 042) 9863304DH2	5	88	125	58.8	68.6	5301	4465	9766
242	0302051 (URN 051) AC105DH2/AC110DH2	5	77	83	63.2	69.8	4733	1722	6455
243	0302062 (URN 062) CCDR/98PIM0141	5	79	99	63.0	69.3	5556	2084	7640
244	0302071 (URN 071) AC122DH4	4	84	99	67.1	71.3	5554	2438	7992
245	0302085 (URN 085) AC105DH2/AC110DH2	4	82	97	69.1	73.0	5755	2236	7991
246	0302088 (URN 088) AC105DH2/AC110DH2	4	78	94	66.3	70.0	5703	1753	7456
247	0302091 (URN 091) AC176DH1/9959322DH2	5	75	93	67.6	73.4	5496	2076	7572
248	0302128 (URN 128) CCDR/98PIM0151	4	79	97	65.9	70.3	5308	2077	7385
249	0302149 (URN 149) CCDR/98LL0401	4	79	98	71.2	73.4	6681	2418	9099
250	TX 9092	7	77	96	69.5	72.8	5872	2991	8863
251	TX 8181	7	77	94	70.5	73.3	5997	2015	8012
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	4	71	104	66.0	71.7	2929	1754	4683
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	5	78	93	68.8	71.6	5942	2284	8226
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	4	85	100	65.8	69.1	5078	2710	7788
255	MS 0204114	7	81	97	64.6	70.9	5672	2877	8549
256	XL 7	5	72	113	64.1	72.6	5966	3956	9922
257	XL 8	5	79	110	64.4	72.6	7344	3432	10776
258	CLXL 8	4	81	112	66.1	74.1	6553	3249	9802
259	XP 710	7	76	113	66.5	74.6	7245	4515	11760
260	XP 712	5	83	119	70.1	72.9	6940	4935	11875
C.V.		10.9	1.8	2.8	2.8	1.7	15.3		
LSD (0.05)		0.9	2.2	4.6	3.7	2.5	1406.9		

2004-1-16

2003 Commercial Advanced Rice Yield Test
Acadia Parish, Mowata, La

20040014

ENT	PEDIGREE	VIGOR	Days to 50% Heading	Height (cm)	Grain Yield	Mil. % Whole Gr	Mil. % Total Gr
201	CL 121	5	70	84	6091	66.8	70.7
202	CL 141	4	74	114	7187	64.4	69.3
203	CL 161	4	77	97	7037	67.0	70.5
204	COCODRIE	5	71	88	6539	66.0	71.2
205	CYPRESS	4	75	89	6092	66.8	70.8
206	CHENIERE	5	73	90	6473	65.6	71.2
207	FRANCIS	5	75	101	7145	62.6	68.8
208	WELLS	5	75	99	7238	62.7	69.6
209	SABER	5	73	91	5801	68.8	70.6
210	AHRENT	5	73	100	5338	63.1	67.8
211	PRISCILLA	6	74	88	5987	65.8	70.2
212	JEFFERSON	6	69	86	5162	66.3	71.1
213	MAYBELLE	6	68	93	4948	67.3	71.0
214	PIROGUE	6	77	95	6000	63.5	69.6
215	BENGAL	5	78	93	6890	66.5	69.1
216	EARL	5	80	101	5723	64.0	67.9
217	DELLROSE	6	74	89	5000	66.6	70.5
218	DELLA	6	78	123	4213	58.0	67.8
219	DELLMATI	6	67	100	3948	61.9	69.7
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	6	71	89	6072	67.3	71.2
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	6	72	87	6379	62.7	69.7
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	5	67	98	7840	61.9	66.9
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	6	70	80	5668	67.3	71.2
224	0202195 (URN 034) NWBT/KATY//9902207x7	5	70	86	6566	66.4	71.0
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	6	71	88	6112	65.6	70.1
226	0202048 (URN 048) LM-1	7	74	83	4581	61.6	70.9
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	5	70	90	6050	67.5	72.1
228	0102068 (URN 068) 9502008/LGRU	5	71	90	6374	68.1	71.5
229	0302082 (URN 082) 9502008-A/DREW	4	71	82	6255	69.4	73.7
230	0302094 (URN 094) 9502008-A/DREW	6	70	93	6417	68.5	71.9
231	0302097 (URN 097) 9502008-A/TACAURI	5	70	85	5804	65.2	70.7
232	0202103 (URN103) CPRS/DREW	6	73	94	4806	66.8	73.0
233	0002140 (URN 025) JSMN/DLLA	5	78	91	5672	53.8	65.5
234	0202183 (URN 031) 9502065/3/BNGL//MERC/RICO	5	77	90	6229	64.7	67.5

2003 Commercial Advanced Rice Yield Test
Acadia Parish, Mowata, La

20040014

ENT	PEDIGREE	VIGOR	Days to 50% Heading	Height (cm)	Grain Yield	Mil. % Whole Gr	Mil. % Total Gr
235	0002146 (URN 028) ORIN//MERC/RICO//...	6	76	96	5922	65.3	68.2
236	0302140 (URN 140) BNGL//V4916/STRN	5	77	91	5998	68.3	72.1
237	0302146 (URN 146) BNGL/9502065	5	76	84	5640	67.6	70.1
238	0302137 (URN 137) DLMT//DLMT//B846273-710	5	70	97	6585	65.1	70.8
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	4	68	88	5171	67.4	72.0
240	0302011 (URN011) AC105DH2/AC101DH2	5	71	88	5893	67.1	70.8
241	0302042 (URN 042) 9863304DH2	5	80	120	6387	53.5	66.3
242	0302051 (URN 051) AC105DH2/AC110DH2	5	67	88	5067	68.0	72.0
243	0302062 (URN 062) CCDR/98PIM0141	5	75	95	4711	61.4	67.8
244	0302071 (URN 071) AC122DH4	4	77	100	7973	64.5	68.2
245	0302085 (URN 085) AC105DH2/AC110DH2	5	73	94	5828	66.5	70.9
246	0302088 (URN 088) AC105DH2/AC110DH2	5	70	95	6313	67.2	70.5
247	0302091 (URN 091) AC176DH1/9959322DH2	6	71	89	5550	64.1	70.0
248	0302128 (URN 128) CCDR/98PIM0151	5	72	98	7610	67.0	70.7
249	0302149 (URN 149) CCDR/98LL0401	5	72	93	7115	68.7	71.4
250	TX 9092	5	73	86	5276	67.4	70.9
251	TX 8181	7	73	86	5332	67.7	71.3
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	5	69	105	7228	68.5	71.7
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	5	73	91	6283	69.5	72.5
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	5	77	91	6439	63.7	67.4
255	MS 0204114	6	73	92	5859	64.7	69.2
256	XL 7	4	69	113	7531	62.8	71.6
257	XL 8	5	73	105	8226	60.3	69.7
258	CLXL 8	4	75	111	8961	59.4	69.0
259	XP 710	7	77	112	8414	58.6	67.7
260	XP 712	5	76	107	8740	63.8	68.7
C.V.		10.3	1.8	4.8	11.1	2.8	1.8
LSD(0.05)		0.9	2.2	7.8	1116.2	3.7	2.5

2003 Commercial Advanced Rice Yield Test
Vermilion Parish, Pine Island, La

20040114

03 CA ENTRY	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Grain Yield
201	CL 121	5	68	79	4532
202	CL 141	4	72	94	4667
203	CL 161	4	74	95	5036
204	COCODRIE	5	70	86	5627
205	CYPRESS	5	73	90	5259
206	CHENIERE	5	73	89	5795
207	FRANCIS	5	72	92	5521
208	WELLS	4	72	93	5179
209	SABER	5	73	89	4390
210	AHRENT	5	71	93	4348
211	PRISCILLA	6	73	90	4892
212	JEFFERSON	8	66	89	4668
213	MAYBELLE	5	63	87	3867
214	PIROGUE	7	75	94	5636
215	BENGAL	5	75	85	5559
216	EARL	6	75	96	5539
217	DELLROSE	7	72	89	3894
218	DELLA	7	75	115	3403
219	DELLMATI	7	63	106	2771
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	5	69	87	5441
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	6	69	88	5430
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	7	64	93	5061
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	6	69	87	5233
224	0202195 (URN 034) NWBT/KATY//9902207x7	5	68	86	5758
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	7	70	92	5094
226	0202048 (URN 048) LM-1	8	72	85	3694
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	5	71	85	4916
228	0102068 (URN 068) 9502008/LGRU	5	72	84	4717
229	0302082 (URN 082) 9502008-A/DREW	6	70	88	5081
230	0302094 (URN 094) 9502008-A/DREW	6	69	92	5189
231	0302097 (URN 097) 9502008-A/TACAURI	6	72	83	4818
232	0202103 (URN103) CPRS/DREW	5	73	87	4790
233	0002140 (URN 025) JSMN/DLLA	6	74	94	4735
234	0202183 (URN 031) 9502065/3/BNGL//MERC/RICO	5	75	83	5999
235	0002146 (URN 028) ORIN//MERC/RICO//...	5	74	90	5815
236	0302140 (URN 140) BNGL//V4916/STRN	5	76	88	5261
237	0302146 (URN 146) BNGL/9502065	5	75	80	4721
238	0302137 (URN 137) DLMT//DLMT//B846273-710	5	69	96	5443
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	5	64	89	4415
240	0302011 (URN011) AC105DH2/AC101DH2	5	70	87	4839
241	0302042 (URN 042) 9863304DH2	7	75	113	5798
242	0302051 (URN 051) AC105DH2/AC110DH2	7	70	83	4191
243	0302062 (URN 062) CCDR/98PIM0141	6	72	90	3501
244	0302071 (URN 071) AC122DH4	5	76	91	5364

2003 Commercial Advanced Rice Yield Test
Vermilion Parish, Pine Island, La

20040114

03 CA ENTRY	PEDIGREE	Vigor	Days to 50% Heading	Height (cm)	Grain Yield
245	0302085 (URN 085) AC105DH2/AC110DH2	5	73	87	4235
246	0302088 (URN 088) AC105DH2/AC110DH2	4	67	94	5231
247	0302091 (URN 091) AC176DH1/9959322DH2	7	70	91	4312
248	0302128 (URN 128) CCDR/98PIM0151	6	72	92	5550
249	0302149 (URN 149) CCDR/98LL0401	6	70	96	5455
250	TX 9092	5	70	83	4558
251	TX 8181	6	73	88	4711
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	6	65	89	4625
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	6	72	92	5328
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	5	76	88	5080
255	MS 0204114	7	73	95	4357
256	XL 7	6	68	108	6753
257	XL 8	5	71	100	6843
258	CLXL 8	5	73	105	6739
259	XP 710	5	73	100	7659
260	XP 712	5	76	100	6628
C.V.		12.6	1.8	4.8	7.1
LSD (0.05)		1.1	2	7.1	580.3

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2003 Commercial Advanced Rice Yield Test
Evangeline Parish, Mamou, La

20040014

ENT	PEDIGREE	Days to 50% Heading	Height (cm)	Grain Yield
201	CL 121	79	82	4512
202	CL 141	83	101	3601
203	CL 161	85	94	5129
204	COCODRIE	81	95	6461
205	CYPRESS	83	97	5566
206	CHENIERE	84	95	6282
207	FRANCIS	83	100	5985
208	WELLS	84	102	6413
209	SABER	83	95	4611
210	AHRENT	79	105	5516
211	PRISCILLA	86	97	4745
212	JEFFERSON	78	85	4537
213	MAYBELLE	74	93	3978
214	PIROGUE	88	88	2898
215	BENGAL	86	92	5109
216	EARL	87	106	5548
217	DELLROSE	87	90	4203
218	DELLA	87	120	2096
219	DELLMATI	80	117	2090
220	0202002 (URN 002) 9502008/3/CPRS//82CAY21/TBNT	78	98	6350
221	0302005(URN 005) TACAURI/3/CPRS//82CAY21/TBNT	82	87	5854
222	0202008 (URN 008) CPRS//82CAY21/TBNT/...	76	102	4410
223	0302022 (URN 022) TACAURI/3/CPRS//82CAY21/TBNT	81	88	5305
224	0202195 (URN 034) NWBT/KATY//9902207x7	79	95	7288
225	0202192 (URN 045) DREW/3/CPRS//82CAY21/TBNT	82	96	6742
226	0202048 (URN 048) LM-1	88	82	2625
227	0302065 (URN 065) 9602082/CPRS//82CAY21/TBNT/3/AR-1121	79	93	6115
228	0102068 (URN 068) 9502008/LGRU	84	94	5630
229	0302082 (URN 082) 9502008-A/DREW	81	96	6279
230	0302094 (URN 094) 9502008-A/DREW	80	97	6461
231	0302097 (URN 097) 9502008-A/TACAURI	82	89	5542
232	0202103 (URN103) CPRS/DREW	82	99	5959
233	0002140 (URN 025) JSMN/DLLA	88	101	4498
234	0202183 (URN 031) 9502065/3/BNGL//MERC/RICO	88	85	4825
235	0002146 (URN 028) ORIN//MERC/RICO//...	82	101	5775

2003 Commercial Advanced Rice Yield Test
Evangeline Parish, Mamou, La

20040114

ENT	PEDIGREE	Days to 50% Heading	Height (cm)	Grain Yield
236	0302140 (URN 140) BNGL//V4916/STRN	86	99	4443
237	0302146 (URN 146) BNGL/9502065	87	92	4033
238	0302137 (URN 137) DLMT//DLMT//B846273-710	80	104	2777
239	0302125 (URN 125) JSMN/DLLA//LEAH/DLLA	77	95	3271
240	0302011 (URN011) AC105DH2/AC101DH2	79	99	5822
241	0302042 (URN 042) 9863304DH2	92	124	5330
242	0302051 (URN 051) AC105DH2/AC110DH2	80	92	4182
243	0302062 (URN 062) CCDR/98PIM0141	86	91	3263
244	0302071 (URN 071) AC122DH4	86	99	4777
245	0302085 (URN 085) AC105DH2/AC110DH2	81	100	5248
246	0302088 (URN 088) AC105DH2/AC110DH2	82	104	6123
247	0302091 (URN 091) AC176DH1/9959322DH2	82	91	4470
248	0302128 (URN 128) CCDR/98PIM0151	81	103	6253
249	0302149 (URN 149) CCDR/98LL0401	80	102	6094
250	TX 9092	85	90	4215
251	TX 8181	88	85	4769
252	AR 0101093 (URN 004) 9101001//TBNT/KATY/3/LGRU	73	106	3383
253	AR 0001124 (URN 013) CPRS/NWBT/KATY	84	94	5675
254	AR 0001151 (URN 021) BNGL/SHORT-RICO	88	92	4756
255	MS 0204114	86	97	4058
256	XL 7	79	115	6448
257	XL 8	84	112	6727
258	CLXL 8	83	112	6764
259	XP 710	86	116	7717
260	XP 712	88	111	6635
C.V.		2.2	4.0	10.8
LSD (0.05)		2.9	6.3	892.4

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Registration of 'Cypress' Rice

'CYPRESS' (*Oryza sativa* L.) (Reg. no. CV-91, PI 561734) is a high-yielding, early-maturing long-grain cultivar developed at the Rice Research Station at Crowley, LA, by the Louisiana Agricultural Experiment Station in cooperation with the USDA-ARS, the Arkansas Agricultural Experiment Station, the Florida Agricultural Experiment Station, the Mississippi Agricultural and Forestry Experiment Station, and the Texas Agricultural Experiment Station. Cypress was officially released 1 Mar. 1992.

Cypress originated from the cross 'L-202'/'Lemont' made at the Rice Research Station in 1983. The L-202 (2) parent is an early maturing, semidwarf long-grain cultivar developed by the California Cooperative Rice Research Foundation at the Rice Experiment Station, Biggs, CA. Lemont (1) is an early-maturing, semidwarf long-grain cultivar developed by the USDA-ARS in conjunction with the Texas Agricultural Experiment Station at the Texas A&M University Agricultural Research and Extension Center, Beaumont. Cypress is an F_5 bulk of a single progency row in the breeding nursery at Crowley in 1986, selection 8621296. It was evaluated in the preliminary yield nursery (experimental designation 8702646) in 1987 and entered in the Cooperative Uniform Regional Rice Nurseries (URRN) in 1988 with the designation RU8802051.

Cypress has a semidwarf plant type and is similar in height to 'Lacassine', Lemont, and 'Gulfmont'. In the URRN grown in Louisiana, Arkansas, Mississippi, and Texas from 1988 to 1991, the average height of Cypress was 96 cm and that of Lacassine, Lemont, Gulfmont, and 'Katy' was 93, 94, 93, and 116 cm, respectively. The flag leaf of Cypress is relatively narrow, remains upright through physiological maturity, and tends to droop as plants approach harvest maturity. Days to heading averages 85 for Cypress, 85 for Lacassine, 87 for Lemont, 85 for Gulfmont, and 88 for Katy (URRN, 1988–1991).

The leaves, lemma, and palea of Cypress are glabrous. The spikelet is straw-colored and awnless. The apiculus is purple at heading, but the color fades as the grain approaches maturity. The grain is nonaromatic and nonglutinous, and has a light brown pericarp. The overall average yield of Cypress in the URRN in the four major rice-producing states in the U.S. South in 1988 to 1991 was 7280 kg ha^{-1}, compared with 7624 for Lacassine, 6918 for Lemont, 7267 for Gulfmont, and 6200 for Katy. In the Louisiana Advanced Yield tests (five locations) for 1988 to 1990, Cypress averaged overall yields of 8251 kg ha^{-1}, compared with 8043 for Lacassine and 7813 for Lemont.

Milling yields (mg g^{-1} whole kernel/mg g^{-1} total milled rice) at 120 mg g^{-1} moisture (1988–1991 URRN average) were 612:702 (61:70%) for Cypress, 580:712 (58:70%) for Lacassine, 608:711 (61:71%) for Lemont, 607:709 (61:71%) for Gulfmont, and 583:684 (58:68%) for Katy. Individual kernel dimensions for Cypress, Lacassine, Lemont, Gulfmont, and Katy are shown in Table 1.

Results from the Cooperative Regional Rice Quality Laboratory at Beaumont indicate that Cypress has typical U.S. long-grain rice cooking quality characteristics, as described by Webb et al. (3). Cypress has an average apparent starch amylose content of 215 g kg^{-1} and an intermediate gelatinization temperature (70–75 °C), as indicated by an average alkali spreading reaction of 3 in 1.7% KOH.

Cypress is moderately susceptible to rice blast [*Pyricularia grisea* (Cooke) Sacc.] races IB-1, IB-49, and IC-17 and highly resistant to races IG-1, IH-1, IB-33, IB-54, and ID-13. It is susceptible to sheath blight (*Rhizoctonia solani* Kühn), highly resistant to narrow brown leaf spot (*Cercospora oryzae* Miyake), moderately susceptible to leaf smut (*Entyloma oryzae* Syd. & P. Syd.), and moderately resistant to the physiological disorder straighthead.

Table 1. Paddy, brown, and milled grain dimensions and weight of Cypress, Lacassine, Lemont, Gulfmont, and Katy rice grown at Crowley, LA, in 1991.

Cultivar	Length (L)	Width (W)	Thickness	L/W ratio	Weight
	mm				mg
Paddy Rice					
Cypress	9.27	2.47	2.01	3.76	25.1
Lacassine	9.67	2.67	2.03	3.62	27.2
Lemont	9.33	2.80	1.94	3.33	27.4
Gulfmont	9.53	2.87	1.97	3.33	25.2
Katy	9.07	2.53	1.92	3.58	23.7
Brown Rice					
Cypress	7.27	2.27	1.81	3.20	21.0
Lacassine	7.67	2.34	1.82	3.28	22.3
Lemont	7.80	2.47	1.74	3.16	23.4
Gulfmont	7.80	2.40	1.83	3.25	23.6
Katy	7.67	2.27	1.71	3.38	19.0
Milled Rice					
Cypress	7.00	2.20	1.71	3.18	17.9
Lacassine	7.20	2.20	1.85	3.27	19.0
Lemont	7.13	2.33	1.67	3.06	20.3
Gulfmont	7.33	2.26	1.73	3.24	21.4
Katy	6.93	2.07	1.65	3.36	15.4

Variants observed and removed from increase fields of Cypress included any combination of the following: taller, pubescent, earlier, later, intermediate grain type, and medium grain type. The total number of variants numbered fewer than 1 per 5000 plants.

Breeder and foundation seed of Cypress will be maintained by the Louisiana State University Agricultural Center, Louisiana Agricultural Experiment Station, Rice Research Station, P.O. Box 1429, Crowley, LA 70527-1429. Limited quantities of seed are available upon request to the corresponding author.

S. D. LINSCOMBE,* F. JODARI, K. S. MCKENZIE, P. K. BOLLICH, L. M. WHITE, D. E. GROTH, AND R. T. DUNAND (4)

References and Notes

1. Bollich, C.N., B.D. Webb, M.A. Marchetti, and J.E. Scott. 1985. Registration of Lemont rice. Crop Sci. 25:883–885.
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4. Linscombe, S.D., F. Jodari, P.K. Bollich, L.M. White, D.E. Groth, and R.T. Dunand, Rice Research Station, P.O. Box 1429, Crowley, LA 70527-1429; and K.S. McKenzie, Rice Experiment Station, P.O. Box 306, Biggs, CA 95917. Approved for publication by the Director of the Louisiana Agricultural Experiment Station, Manuscript no. 92-86-9312. Research supported in part by the Louisiana Rice Research Board. Registration by CSSA. Accepted 30 Sept. 1992 *Corresponding author.

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued *(7 U.S.C. 2421)*. The information is held confidential until the certificate is issued *(7 U.S.C. 2426)*.

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Louisiana State University Agricultural Center	LA 0002174	Cheniere
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP, and Country)*	**5. TELEPHONE** *(Include area code)*	**6. FAX** *(Include area code)*
LSU AgCenter Rice Research Station 1373 Caffey Road Rayne, LA 70578	(337) 788-7531	(337) 788-7553
	7. PVPO NUMBER 2004 00 114	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. **If no, please explain.** ☑ **YES** ☐ **NO**

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? **If no, give name of country.** ☑ **YES** ☐ **NO**

10. Is the applicant the original owner? ☑ **YES** ☐ **NO** **If no, please answer one of the following:**

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?
☐ **YES** ☐ **NO** **If no, give name of country**

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?
☑ **YES** ☐ **NO** **If no, give name of country**

11. Additional explanation on ownership *(Trace ownership from original breeder to current owner. Use the reverse for extra space if needed)*:

Owned by the Louisiana State University Agricultural Center

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

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